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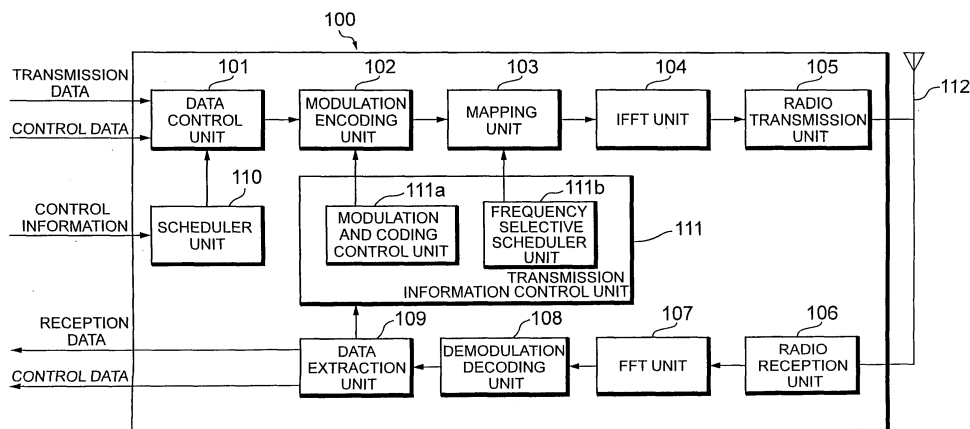
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(54) **Mobile communication system, base station apparatus and mobile station apparatus**

(57) A mobile communication system in which a mobile station apparatus transmits, to a base station apparatus, uplink data using a physical uplink shared channel assigned by an uplink data transmission permission signal, wherein the base station apparatus: transmits, to the mobile station apparatus, the uplink data transmission permission signal, and wherein the mobile station apparatus: periodically transmits, to the base station apparatus, first reception quality information even in case that

a transmission instruction of reception quality information is not included in the uplink data transmission permission signal; transmits, to the base station apparatus, second reception quality information using the physical uplink shared channel in case that a transmission instruction of reception quality information is included in the uplink data transmission permission signal; and transmits the first reception quality information and the second reception quality information in different physical formats.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	<p>FUKUI N: "Study of channel quality feedback in UMTS HSDPA", PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS, 2003. PIMRC 2003. 14TH IEEE PROCEEDINGS ON SEPT. 7-10, 2003, IEEE, PISCATAWAY, NJ, USA, vol. 1, 7 September 2003 (2003-09-07), pages 336-340, XP010681613, DOI: 10.1109/PIMRC.2003.1264289 ISBN: 978-0-7803-7822-3 * the whole document *</p> <p>-----</p>	1-12	<p>INV. H04W72/04</p> <p>ADD. H04W24/10</p>
A	<p>WO 2005/072073 A2 (KOREA ELECTRONICS TELECOMM [KR]; SAMSUNG ELECTRONICS CO LTD [KR]; KT C) 11 August 2005 (2005-08-11) * paragraphs [0001] - [0020] * * paragraphs [0045] - [0048] * * abstract; claims 1-14; figures 1-4,10,11,13 *</p> <p>-----</p>	1-12	<p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>H04W</p>
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 19 August 2011	Examiner Coppieters, Stefaan
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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